NOTES: JUNCTION BOX- ALL INTERCONNECTING PIPE AND FITTINGS SHALL BE INSTALLED BY THE CONTRACTOR. FROM HOSPITAL ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 99. PIPING LAYOUT IS DIAGRAMMATIC ONLY. FINAL ARRANGEMENT WILL BE SITE SPECIFIC. CONTRACTOR WILL BE MAIN LINE VACUUM SWITCH RESPONSIBLE FOR FIELD VERIFICATION AND COORDINATING ACTUAL LOCATION WITH ALL OTHER TRADES. -WIRE TRANSDUCER AND MAIN VACUUM GAUGE-**BACKUP SWITCH TO** 3. CONTRACTOR SHALL VERIFY MOTOR VOLTAGE, PHASE AND AMP RATINGS BEFORE STARTING ELECTRICAL **CONTROL PANEL** INSTALLATION; AND MAKE CERTAIN THE VOLTAGE SUPPLIED BY THE HOSPITAL IS THE SAME. SOURCE SHUTOFF VALVE \ 4. THE ROOM REQUIRES DEDICATED MECHANICAL VENTILATION WITH AN ALLOWABLE TEMPERATURE FOR INTAKE PIPE SIZING REFER TO VARIANCE OF 40° TO 105°F. (FOR HIGHER AMBIENTS, CONSULT FACTORY) STANDARD PRESSURE DROP TABLES. TOTAL PRESSURE DROP SHOULD BE -PUMP MODULE 5. ELECTRICAL POWER SHALL BE SUPPLIED FROM THE EQUIPMENT SYSTEM BRANCH OF THE ESSENTIAL LESS THAN 2" Hg AT A SYSTEM **CONTROL WIRING** ELECTRICAL SYSTEM (EMERGENCY POWER). VACUUM LEVEL OF 15" Hg. (SEE NOTE 10) 6. EQUIPMENT, INSTALLATION, AND TESTING OF THE MEDICAL VACUUM SYSTEM SHALL COMPLY WITH NFPA HOSPITAL -99 AND ALL STATE AND LOCAL CODES OR ORDINANCES CONNECTION (4" FLANGE) 7. WIRE LAG PUMP RUNNING ALARM REMOTE CONTACTS IN THIS CONTROL SYSTEM TO MASTER ALARM SYSTEM AS REQUIRED BY NFPA 99. OUTLET -SINGLE POINT POWER 4" FLANGE 8. ALL ACCESSORIES, PIPE AND FITTINGS, EXCEPT DISCHARGE SILENCERS, BEYOND INLET AND DISCHARGE WIRING ACCESS PORTS ARE SUPPLIED AND INSTALLED BY OTHERS. c 9. WHEN DETERMINING THE TOTAL PIPE LENGTH, ADD ALL THE STRAIGHT LENGTHS OF PIPE TOGETHER -ALARM WIRING ACCESS IN ADDITION TO THE NUMBER OF ELBOWS TIMES THE EFFECTIVE PIPE LENGTH FOR THAT PIPE SIZE. (SEE EQUIVALENT PIPE LENGTH TABLE & EXAMPLE CALCULATION IN THE O&M MANUAL) 10. PUMP MODULE CONTROL WIRING IS LOW VOLTAGE WIRING (24Vdc). LOW VOLTAGE WIRING MUST BE ROUTED SEPARATELY FROM HIGH VOLTAGE WIRING (200-480Vac). SEPARATION OF LOW VOLTAGE AND HIGH VOLTAGE WIRING MUST ALSO BE MAINTAINED INSIDE THE CONTROL PANEL. 24Vdc LOW VOLTAGE FIELD WIRING TO BE A MINIMUM OF ETHERNET WIRING 22 GUAGE, 75 DEG C COPPER WIRE. ACCESS 3" EXHAUST SILENCER-11. ALL MOTOR WIRING MUST BE RUN IN SEPARATE CONDUIT FROM LOW VOLTAGE WIRING AND ENTER THE CONTROL PANEL PIPE EXHAUST (2 SUPPLIED WITH UNIT) ON THE BOTTOM RIGHT SIDE, USING THE KNOCK OUTS PROVIDED. OUTSIDE, TURN DOWN ~INTAKE AND SCREEN PER NFPA 99 3" FLANGE EFFECTIVE PIPE LENGTH FOR ELBOWS (2 PLACES) PIPE SIZE (IN) 4.00" NPT | 5.00" NPT | 6.00" NPT EFF.PIPE 13.2 -DISCHARGE 11.9 LENGTH (FT) 3" FLANGE (2 PLACES) EXHAUST PIPE SIZE TABLE (SEE NOTE 9) PIPE LENGTH UNIT SIZE 0-75' 76'-250' 251'-500' TX 15 | 4.00" NPT | 5.00" NPT | 6.00" NPT 24 VDC ELECTRICAL FIELD PIPING INLET ====== FIELD PIPING OUTLET -NO VIBRATION PADS ARE NECESSARY AT THIS POINT NO FOUNDATION OR INERTIA PAD IS REQUIRED TANK DRAIN CONNECTION-(RECEIVER REMOVED FOR CLARITY) -DRIP LEG VALVE (HOUSEKEEPING PAD IS OPTIONAL) CONTRACTOR SHALL PIPE (2 PLACES) TO FLOOR DRAIN This drawing and the information contained thereon remain the property of BeaconMedaes and may not be used for other than the purpose for which it is loaned without the expressed written permission from BeaconMedaes Engineering. 4107 8549 75 INSTALLATION DIAGRAM 15HP TX HOP230841 (200 GALLON RECEIVER SHOWN) CLAW VAC MOD STANDARD Sheet 1 of 1 DO NOT SCALE TH DOCUMENT

Form F-007 Rev. 01 8